

## **Abstract**

**Background:** club foot and its management have been the topic of keen interest to the orthopaedics field ever since time immemorial and many techniques in the successful management of these have been advocated till date. This study discusses one such technique of management in children with the Jess fixator.

**Aim:** To evaluate the role of Joshi's external stabilization system in the management of neglected, resistant and relapsed CTEV, in the age group of 1-6 years.

**Methods And Material:** Total 14 patients underwent JESS fixation surgery at Department of

Orthopedics, GRH hospital, Madurai medical college, from october 2015 to September 2017.

**Results:** The clinical correction of the deformity was assessed using both clinical and radiological criterias and final assessment by functional rating system.

**Conclusion:** By Controlled differential distraction using JESS apparatus, a painless, pliable, plantigrade, perfect sized and cosmetically acceptable foot has been obtained even in children 1 year to 6 years. Controlled differential distraction using JESS fixator has got a definite role in the management of relapsed, and neglected CTEV and it does not prevent the foot from being treated surgically at a later date if needed .

**Keywords:** neglected, relapsed, resistant, distraction, jess fixator.